

Converting Colors

$Y_{xy}(19.2686, 0.1835, 0.0950)$

Have a look what the booklet for
Yxy(19.2686, 0.1835, 0.0950)
contains.

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Color

Yxy(15.4519, 0.1989, 0.1109)

Conversions

Conversions Part 1

Format	Color
Hex	7646FF
RGB	118, 70, 255
RGB Percent	46%, 27%, 100%
CMY	0.5374, 0.7255, 0.0000
CMYK	0.54, 0.73, 0.00, 0.00
HSL	256°, 100%, 64%
HSV	256°, 73%, 100%
XYZ	27.7131, 15.4519, 96.1668
YIQ	105.4420, -30.7770, 67.7110

Conversions

Conversions Part 2

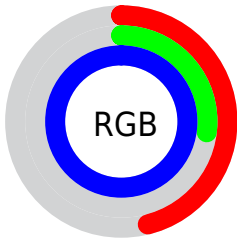
Format	Color
R_{YB}	118, 70, 255
Decimal	7751423
CIE _{Lab}	46.25, 63.25, -84.57
CIE _{LCh}	46, 105.602, 306.792
Yxy	15.4519, 0.1989, 0.1109
Android (android.graphics.Color)	4285941503 (0xFF7646FF)
YUV	105.4420, 73.7321, 11.0134
Hunter-Lab	39.3089, 57.0534, -117.5331

Details

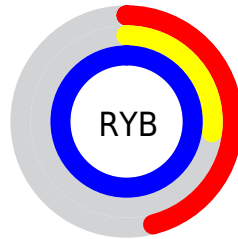
The Yxy color **15.4519, 0.1989, 0.1109** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **85.2321, 0.3754, 0.5110**, and the grayscale version is **14.0522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2097, 0.2544, 0.1797**, and **4.8296, 0.1625, 0.0698** is the 20% darker color. If you saturate the color by 10%, you get **11.7158, 0.1835, 0.0891**, and if you desaturate by 10%, it is **20.8007, 0.2163, 0.1385**.

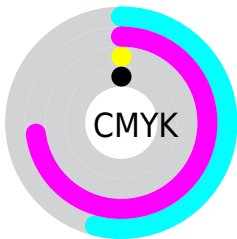
Distribution



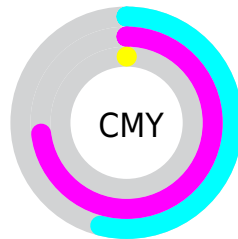
- Red (46%)
- Green (27%)
- Blue (100%)



- Red (46%)
- Yellow (27%)
- Blue (100%)



- Cyan (54%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4519, 0.1989, 0.1109 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 15.4519, 0.1989, 0.1109 by changing the saturation by 10% instead.


 15.4519, 0.1989,
0.1109


 15.4519, 0.1989,
0.1109

226.0854, 0.2626,
0.2097


 9.1372, 0.1827,
0.0915


 35.6440, 0.2227,
0.1432

 4.8307, 0.1624,
0.0699


 50.2902, 0.2315,
0.1564


 2.1483, 0.1370,
0.0468


 68.4823, 0.2389,
0.1681

 0.6916, 0.1055,
0.0238

 90.6047, 0.2452,
0.1784

 0.0000, 0.0689,
0.0000

 117.0418, 0.2505,
0.1876

 0.0000, 0.0102,
0.0000

148.1780, 0.2551,

 0.0000, 0.0000,

0.1958

0.0000

184.3978, 0.2591,
0.2031

■ 15.4519, 0.1989,
0.1109

■ 15.4519, 0.1989,
0.1109

■ 11.7158, 0.1835,
0.0891

■ 20.8007, 0.2163,
0.1385

■ 9.3995, 0.1711,
0.0744

■ 27.9368, 0.2344,
0.1699

■ 8.3824, 0.1640,
0.0677

■ 37.0033, 0.2523,
0.2029

■ 48.1305, 0.2692,
0.2359

■ 61.4371, 0.2845,
0.2673

■ 77.0329, 0.2981,
0.2964

■ 95.0199, 0.3100,
0.3227

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.4519, 0.1037, 0.0952



15.4519, 0.1989, 0.1109



15.4519, 0.3804, 0.1585

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.4519, 0.1989, 0.1109



15.4519, 0.5943, 0.4057



15.4519, 0.0787, 0.3663

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.4519, 0.1989, 0.1109



85.2321, 0.3754, 0.5110

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.4519, 0.1651, 0.6680



15.4519, 0.1989, 0.1109



15.4519, 0.4517, 0.5483

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.4519, 0.1989, 0.1109



15.4519, 0.6678, 0.3089



15.4519, 0.2979, 0.7021



15.4519, 0.0538, 0.1762

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.4519, 0.1989, 0.1109



15.4519, 0.5299, 0.2063



15.4519, 0.2979, 0.7021



15.4519, 0.0998, 0.4692

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.4494, 0.1989, 0.1109



62.2338, 0.2853, 0.2690



54.0002, 0.2165, 0.2699



12.4935, 0.2813, 0.2607



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.4494, 0.1989, 0.1109



10.5236, 0.1776, 0.0817



25.1190, 0.2756, 0.1490



17.6054, 0.3019, 0.3047



4.4403, 0.1653, 0.0684



0.4822, 0.1764, 0.0745

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.1467, 0.3725, 0.2053



26.4092, 0.3880, 0.1974



75.6923, 0.3199, 0.5490



18.2152, 0.3178, 0.3116



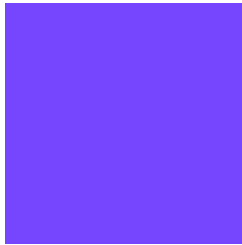
13.0516, 0.3998, 0.1976



1.2886, 0.3888, 0.1915

Previews

White Background



This preview shows how the Yxy color 15.4519, 0.1989, 0.1109 looks on a white background.

Color Contrast Check

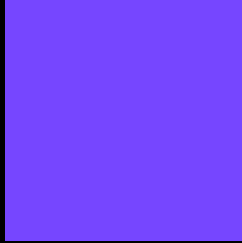
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.4519, 0.1989, 0.1109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

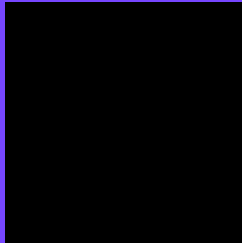
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.4519, 0.1989, 0.1109

Background



This preview shows how black text looks on a background with the Yxy color 15.4519, 0.1989, 0.1109.



This preview shows how white text looks on a background with the Yxy color 15.4519, 0.1989, 0.1109.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



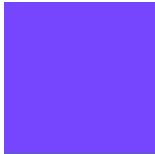
Original Color

15.4519, 0.1989, 0.1109

Tritanopia

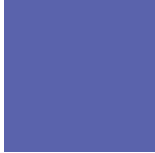
15.1980, 0.2556, 0.3069

Trichromacy



Original Color

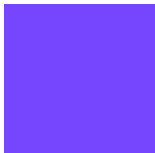
15.4519, 0.1989, 0.1109



Tritanomaly

14.0759, 0.2268, 0.1980

Monochromacy



Original Color

15.4519, 0.1989, 0.1109



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.5074, 0.2550, 0.2075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4519, 0.1989, 0.1109 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(118, 70, 255)` looks like.

```
.text, #text, p{  
  color:rgb(118, 70, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(118, 70, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 70, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.4519, 0.1989, 0.1109 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 70, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(118, 70, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(118, 70, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 70, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 70, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 70,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 15.4519, 0.1989, 0.1109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 70, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(118, 70,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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